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25X1

IDEA 0336-67

Copy 5 of 8

1 May 1967

MEMORANDUM FOR THE RECORD

SUBJECT: Resume of Mission C157C

1. General: Mission C157C (Canned Route 5007) was alerted at the 2000Z, 11 April 1967 Project Headquarters Weather Briefing for 13 April overflight. This mission was sometimes referred to as the "north submarine pen route". Take off from [] was at [] 13 April. Landing time was [] Total time of flight was [] of which [] hours was spent over denied area. Time over the control point was one minute early. This route was primarily designed to obtain photographic coverage on ChiCom submarine activity in the Dairen, Tsing Tao and Shanghai complexes. This mission was flown as briefed over the primary area of interest up to 2900N 12200E (approximately 50NM northeast of Luchiao AF). Pilot option route deviation was made at this point because the last two flight lines were completely obscured by clouds. []

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Preplanned Mission Data:

Distance

Time to Landing

Penetration Altitude

Mission Profile

Take-off Fuel

Planned Fuel Reserve at Hi Cone

69,000 Feet

Maximum Altitude

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GROUP 1
Excluded from automatic
downgrading and
declassification

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Targets: This mission was designed to cover 45 COMOR targets. Five of the ChiCom's most important naval facilities were planned for coverage on this mission including the "G" class submarine base.

2. Mission Data as Flown: Penetration of denied territory was made good at east of Dairen at 69,000 feet. Briefed route was flown to 2900N 12200E. Overflight of denied area was terminated at this point. [REDACTED] Of the 45 COMOR targets programmed for coverage 29 were covered. An additional 51 other COMOR targets were photographed plus 15 bonus targets for a total of 95. Weather was better than briefed. At the Go-No-Go weather forecast, Category II weather was predicted to just north of Shanghai. Actual weather held true to this point, but an additional pocket of good weather opened up south of Shanghai which permitted coverage on two additional flight lines that had appeared marginal at launch time.

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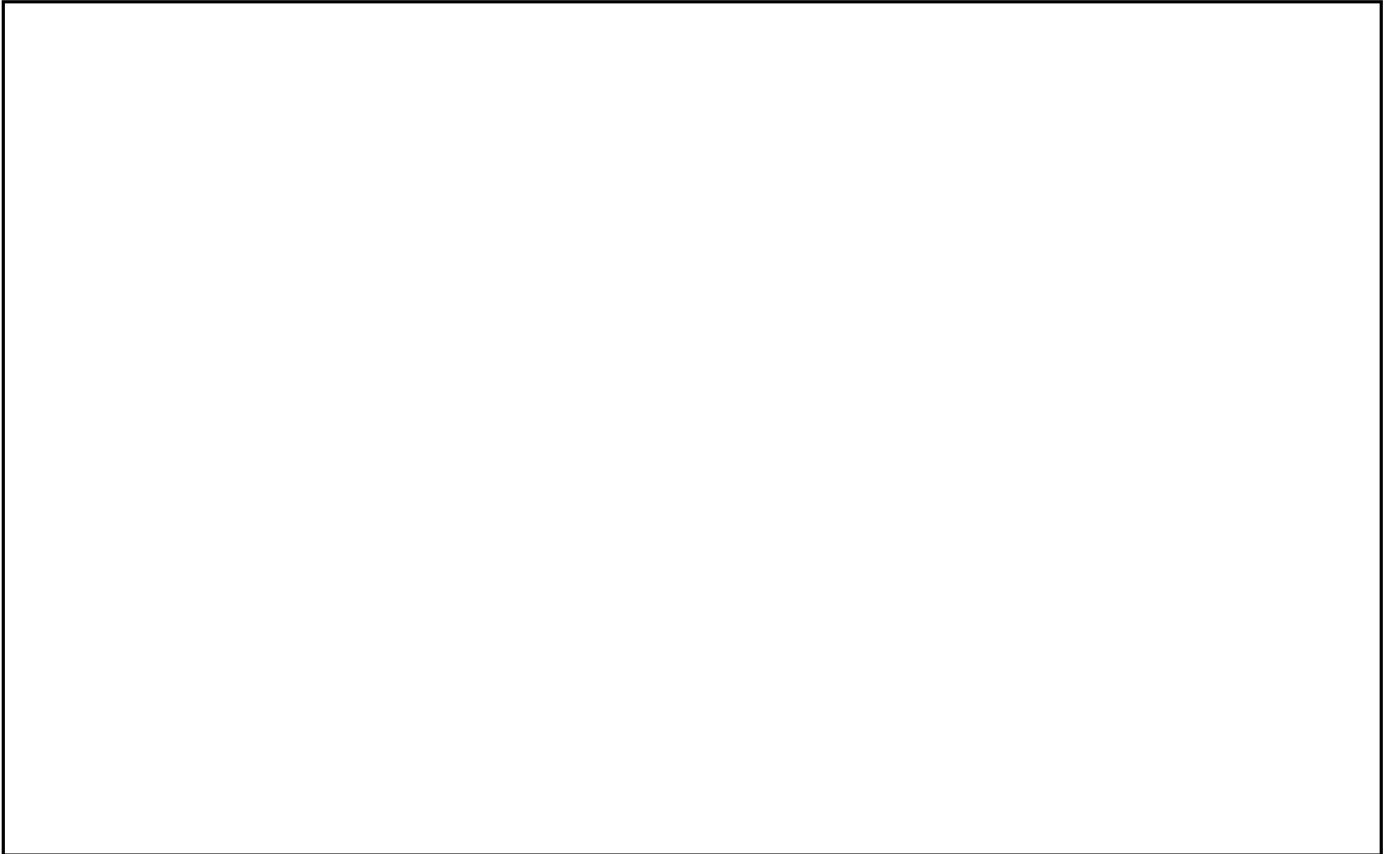
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7. Photo Quality Analysis:

a. The quality evaluation submitted by [] on the [] indicated most aspects as good except the 9L frames which were rated as fair. These frames were degraded due to minor discrepancies of edge static, metering roller static, minus density spots, some pin-holes, dust spots and water spots.

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b. On the Initial Photo Interpretation Report (IPIR) submitted by [] overall quality was reported as good with 40% cloud cover. As on previous missions, the primary cause for a grade of fair or poor on some targets was due to obliquity, haze or cloud coverage. The majority of the vertical photos were rated good.

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c. The target coverage report submitted by []
agreed with the analysis submitted by []

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S. Maintenance: Article [] was scheduled and flown on
this mission. No aircraft general or engine discrepancies
were reported.

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SIGNED

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C/IDEA/OSA

Attachments - 2

1. Route Overlay
2. Targets Covered

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IDEA/OSA [] (1 May 67)

Distribution:

- #1 - D/SA
- #2 - D/O/OSA
- #3 - SSD/R&D/OSA
- #4 - Intel/OSA
- #5 - M/OSA
- #6 - IDEA/OSA
- #7 - RB/OSA
- #8 - Holdback

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STAT

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Part 1

TARGET COVERAGE REPORT

MISSION: C157C Flown 13 April 1967

(canned mission #5007)

(PROGRAMMED TARGETS)

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COVERAGE

Interpretability

REMARKS

COVER NO.

INSTALLATION NAME

	Hsin Chin Airfield	X	good	
	Pu Lan Tien Airfield, South	X	good	
	Hsin Chin Military Complex	X	good	
	Hua Chia Tun Airfield	X	good	
	Liang Chia Tien Driver Training Area	X	good	
	Lu Ta Military Installation	X	good	
	Lu Ta Motor Pool	X	good	
	Chou Shui Tzu Airfield	X	good	
	Ying Cheng Tzu Military Training Area	X	good	
	Lu Ta Shipyard	X	good	
	Lu Shun Kou Submarine Base	X	good	
	Tu Cheng Tzu Airfield			not covered
	Yen Tai Cruise Missile Site	X	good	
	Fu-Shan Army Barracks, SW	X	good	
	Yen Tai Airfield, South			not covered
	Yao Tsun Army Bks., North			not covered
	Lai Yang Airfield			not covered
	Lai Yang Military Complex	X	good	
	Cheng Yang Bks Complex	X	good	
	Liu Ting Airfield	X	good	
	Ching Tao Airfield	X	good	
	Ching Tao Seaplane Station			not covered
	Ching Tao Naval Base	X	good	
	Tung Hai Airfield, West			not covered
	Lien Yung Chiang Cruise Missile Site	X	fair	obliquity
	Yen Cheng Airfield	X	fair	obliquity
	Ju Kao Airfield	X	poor	heavy clouds
	Wu Hsi Military Complex			not covered

TARGET COVERAGE REPORT

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INSTALLATION NAME

Interpretability

PART 2

TARGET COVERAGE REPORT

MISSION: C157C Flown 13 April 1967

(canined mission #5007)

(BONUS COMOR TARGETS)

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COMOR NO. INSTALLATION NAME

	Ta Lien Coastal Defense Site	X	good	
	I Hsien Prob Coastal Defense Site	X	Poor	obliquity-haze
	Ssu Chiao Coast Defense Site	X	poor	obliquity-haze
	Jih Chao Radar Site	X	fair	obliquity
	Ying Cheng Tzu Airfield	X	good	
	Chu Cheng Airfield	X	fair	obliquity-haze
	Yen Tai South Airfield	X	good	
	Tu Cheng Tzu Airfield	X	good	
	Wen Teng Airfield	X	fair	obliquity
	Tan Tung/Ta Tung Kou Airfield	X	poor	obliquity-haze
	Ching Tao Seaplane Station	X	good	
	Lien Yun/Pai Ta Pu Airfield	X	good	
	Chiao Hsien Airfield	X	good	
	Kao Mi Airfield	X	poor	obliquity
	Wei Fang Airfield	X	poor	obliquity-haze
	Fu Hsien Airfield	X	poor	obliquity
	Shang Hai/Ta Chang Airfield	X	poor	obliquity-haze
	Shang Hai/Mung Chiao Airfield	X	poor	obliquity scattered clouds
	Shanghai/Chiang Wan airfield	X	good	
	Lai Yang Airfield	X	good	
	Wei Hai Naval Base	X	fair	obliquity
	Hlo Kou Submarine Base	X	good	
	Ta Yu Chien Suspect Naval Weapon Test site	X	fair	obliquity-haze
	Chiang Ko Chuang Naval Facility	X	fair	obliquity
	Ching Tao Naval Dockyard	X	good	
	Ting Hai Naval Base (Chou Shan)	X	fair	haze
	Ching Tao Army Bks N.E. (Ku Tao)	X	good	
	Fu Hsien Army Bks East (Al 1)	X	fair	obliquity

TARGET COVERAGE REPORT

(canned mission #5007)

(BONUS COMOR TARGETS)

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COVER NO.

INSTALLATION NAME

Fu Hsien Army Bks S.E. (AL 2)	X	fair	obliquity-haze
Kuan Yun Army Bks N.W. (AL 1)	X	fair	obliquity
Sha Li Tu Inf. Div Hqs A Army	X	fair	obliquity
Chuang Ho Army Bks	X	fair	obliquity
Chiang Yin Army Bks	X	fair	scattered clouds
Lu Shun Hq 64 Army (Al 1)	X	good	
Tao Tsun Army Bks NNW	X	good	
Shui Kung Kou Army Barracks	X	fair	haze
Li Chia Army Bks NE	X	fair	haze
San Shih Li Pao Army Bks	X	good	
Chang-Chia Tun Army Bks (Al 1)	X	good	
Fu Chou Army Bks South (AL 1)	X	fair	obliquity-haze
Wen Teng Military Storage Area	X	fair	obliquity
Chin Hsien Ammo Depot	X	good	
Yen Tai Complex	X	good	
Fu Hsien Military Complex	X	fair	obliquity-haze
Ching Tui Tzu Complex	X	poor	obliquity-haze
Ching Tao Complex	X	good	
Lien Yun Chiang Complex	X	good	
Lu Ta Complex	X	good	
Chou Shan Complex	X	fair	haze
	X	good	

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TARGET COVERAGE REPORT

COVERAGE INTERPRETABILITY

12-11-63

COVERAGE

CLASSIFICATION
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MI 2-9-11

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M/OSA							May	

CLASSIFICATION

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Logan
5/2/67